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|------------------------------|--------------|---|---|--|--|--|--|
| FORM PTO-1390                |              | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   |   | ATTORNEY'S DOCKET NUMBER   |  |  |  |
|                              | D            | NSMITTAL LETTER TO<br>ESIGNATED/ELECTED<br>INCERNING A FILING   |   | 073759-0013  |  |  |  |
| _                            |              | į.  |   | U.S. APPLIC. NO. (if known, see 37 CFR.1.5)  Not yet assigned 10/55/74.5 |  |  |  |
| INTERNATIONAL APPLICATION NO |              |   | ITERNATIONAL FILING DATE                          | PRIORITY DATE CLAIMED  |  |  |  |
| PCT/JP2004/007120            |              |   | lay 19, 2004                                      | June 30, 2003  |  |  |  |
|                              | OF INVEN     | TION<br>EALLY IMPLANTING MATERIAL   |   |  |  |  |  |
|                              | ICANTS FO    | OR DO/EO/US<br>HI   |   |  |  |  |  |
| Applic                       | ant herewit  | h submits to the United States Desig  | nated/Elected Office (DO/EO/US) the following its | ems and other information:   |  |  |  |
| 1.                           | $\boxtimes$  | This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.  |   |  |  |  |  |
| 2.                           |              | This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.   |   |  |  |  |  |
| 3.                           | . 🛛          | This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.   |   |  |  |  |  |
| 4.                           | $\boxtimes$  | The US has been elected (Article 31).   |   |  |  |  |  |
| 5.                           | ×            | A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. ⊠ is attached herewith (required only if not transmitted by the International Bureau). b. □ has been communicated by the International Bureau. c. □ is not required, as the application was filed in the United States Receiving Office (RO/US)   |   |  |  |  |  |
| 6.                           | ⋈            | An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  |   |  |  |  |  |
| 7.                           | ⊠            | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))  a.  are attached hereto (required only if not transmitted by the International Bureau).  b. have been communicated by the International Bureau.  c. have not been made; however, the time limit for making such amendment has NOT expired.  d. have not been made and will not be made. |   |  |  |  |  |
| 8.                           |              | An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).  |   |  |  |  |  |
| 9.                           | $\boxtimes$  | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).  |   |  |  |  |  |
| 10.                          |              | An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).   |   |  |  |  |  |
| Items                        | 11. to 16. I | pelow concern other document(s)   | or information included:                          |  |  |  |  |
| 11.                          | $\boxtimes$  | An Information Disclosure Statement under 37 CFR 1.97 and 1.98.   |   |  |  |  |  |
| 12.                          | $\boxtimes$  | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.   |   |  |  |  |  |
| 13.                          | $\boxtimes$  | A preliminary amendment.  |   |  |  |  |  |
| 14.                          |              | An Application Data Sheet under 37 CFR 1.76.  |   |  |  |  |  |
| 15.                          |              | A substitute specification.   |   |  |  |  |  |
| 16.                          |              | A power of attorney and/or change of address letter.  |   |  |  |  |  |
| 17.                          |              | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.  |   |  |  |  |  |
| 18.                          |              | A second copy of the published International Application under 35 U.S.C. 154(d)(4).   |   |  |  |  |  |
| 19.                          |              | A second copy of the English translation of the International Application under 35 U.S.C. 154(d)(4).  |   |  |  |  |  |
| 20.                          | ⊠ .          | Other items or information.  1) Internationa! Search Report 2) Form PCT/IB/311 3) Form PCT/IPEA/409 4) PCT Request  |   |  |  |  |  |

| U.S. APPLIC. NO AT kn<br>Not yet assigned   | 557745  | INTERNATIONAL APPI<br>PCT/JP2004/007120 | LICATION NO.                                   | ATTORNEY'S DOCKET NUMBER<br>073759-0013 |              |  |  |  |  |
|---|---|---|--|---|--------------|--|--|--|--|
|   | <u> </u>  |   |  | CALCULATIONS                            | PTO USE ONLY |  |  |  |  |
| 21.   The following   |   |   |  |   |              |  |  |  |  |
| Basic National Sta  | ige Fee   | \$300                                   |  |   |              |  |  |  |  |
|   | Fee epared by ISA/US or the Interest all claims satisfy provisions.                                   | \$200                                   |  |   |              |  |  |  |  |
| IPEA/US indicates<br>Search fee (37 CFR 1.4<br>International Search   | the ISA/US or the Internation all claims satisfy provision 45(a)(2)) has been paid on ching Authority | \$400                                   |  |   |              |  |  |  |  |
| previously commu  | port prepared by an ISA or inicated to the US by the IB   |   |  |   |              |  |  |  |  |
| All other situations TOTAL OF 21, 22 and  | 23 =  | \$900                                   |  |   |              |  |  |  |  |
| Additional fee for sequence listing   | specification and drawings<br>or compute rprogram listing<br>or each additional 50 sheet              | \$                                      |  |   |              |  |  |  |  |
|   | Sheets Number of each   | additional 50 or fraction               | RATE   |   |              |  |  |  |  |
| -100  | /50=  | ip to a whole number)                   | X\$250   | \$                                      |              |  |  |  |  |
|   | or furnishing the oath or dec   | \$                                      | <del></del>                                    |   |              |  |  |  |  |
| claimed priority date (37<br>CLAIMS   | NUMBER FILED  | RATE                                    |  |   |              |  |  |  |  |
| Total Claims  | -20 =   |   | x \$50.00                                      | \$                                      |              |  |  |  |  |
| Independent Claims  | -3 =  |   | x \$200.00                                     | \$                                      |              |  |  |  |  |
| Multiple dependent clair  | n(s) (if applicable)  | l .                                     | + \$360.00                                     | \$                                      |              |  |  |  |  |
|   |   | \$                                      |  |   |              |  |  |  |  |
| ☐ Applicant claims sm   | all entity status. See 37 CF  | \$                                      |  |   |              |  |  |  |  |
|   |   | \$900.00                                |  |   |              |  |  |  |  |
| Processing fee of \$130. earliest claimed priority  | 00 for furnishing the Englis date (37 CFR 1.492(f)).  | \$                                      |  |   |              |  |  |  |  |
| -   |   |   |  |   |              |  |  |  |  |
|   | nclosed assignment (37 CF<br>propriate cover sheet (37 Cl   | \$40.00                                 |  |   |              |  |  |  |  |
|   |   | \$940.00                                |  |   |              |  |  |  |  |
|   |   | Amount to be:refunded                   | \$   |   |              |  |  |  |  |
|   |   |   |  | Amount to be charged                    | \$940.00     |  |  |  |  |
| a. A check in the amount of \$ to cover the above fees is enclosed.   |   |   |  |   |              |  |  |  |  |
| b. Please charge my Deposit Account No. 500417 in the amount of \$_940.00_ to cover the above fees. A duplicate copy of this sheet is enclosed.   |   |   |  |   |              |  |  |  |  |
| c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 500417. A duplicate copy of this sheet is enclosed.        |   |   |  |   |              |  |  |  |  |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. |   |   |  |   |              |  |  |  |  |
| SEND ALL CORRESPONDENCE TO:   |   |   |  |   |              |  |  |  |  |
| Customer Number 202   | ?77   |   | SIGNATURE \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |   |              |  |  |  |  |
| Telephone: 202.756,800  | 00  | Arth                                    | nur J. Steiner                                 | Yeige                                   |              |  |  |  |  |
| Facsimile: 202.756.808  | 7   |   |  |   |              |  |  |  |  |
|   |   |   |  |   |              |  |  |  |  |